

ABSTRACT OF THE DISCLOSURE

An optometric apparatus and an optometric method which perform an accurate eye examination on people who have a wide
5 range of refractive powers with astigmatism, myopia or hyperopia, and which are also applicable especially to those with mixed astigmatism are provided. The apparatus performs a subjective eye examination by prompting a subject to view test symbols displayed on a computer screen by one of the right and
10 left eyes at a time. The system includes astigmatic axis angle determination means which displays test symbols for determining an astigmatic axis angle and then determines the astigmatic axis angle, hyperopia and myopia determination means which displays test symbols for determining hyperopia or
15 myopia in two orthogonal orientations selected based on the determined astigmatic axis angle, and determines hyperopia or myopia at the astigmatic axis angle and at an angle orthogonal thereto, and refractive power determination means which displays test symbols for determining a refractive power in
20 two orthogonal orientations selected based on the determined astigmatic axis angle and determines a refractive power at the astigmatic axis angle and at an angle orthogonal thereto.